

How to Submit Oil Online Completions

Form W-2

Well Compliance

Class Synopsis



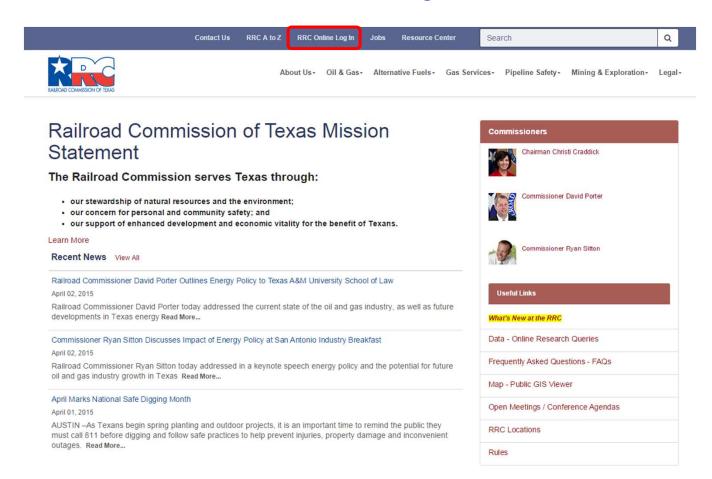
This presentation is a general overview of how to file Oil Well Completion Reports (W-2) utilizing the Railroad Commission of Texas Online Completion Filing System.

During this presentation we will also review associated forms and common problems that delay the processing and final approval of these filings.

Navigating to the Online System



www.rrc.texas.gov



Log In





The RRC Online System allows authorized entities to electronically file certain forms with the Railroad Commission online or through EDI. Forms processed through this system are ones containing data that has been migrated from the Commission's mainframe to an open system environment. Through the RRC Online System, forms can be filed online over the Internet using a web browser, or data files can be uploaded through the application.

How to Obtain a User ID:

To utilize the Online Filing system, you must have a User ID that is assigned to you by your company's designated Security Administrator. A company or individual may designate a Security Administrator by completing the Security Administrator Designation (SAD) form and mailing it to the RRC. When the SAD form is processed, the Security Administrator will receive a User ID and a temporary initial password. The Security Administrator will be able to log into the RRC Online System using their assigned User ID and create User IDs for users within their company. They will also be able to assign certain electronic filing rights for those accounts, and perform account maintenance activities (such as resetting passwords) when needed.

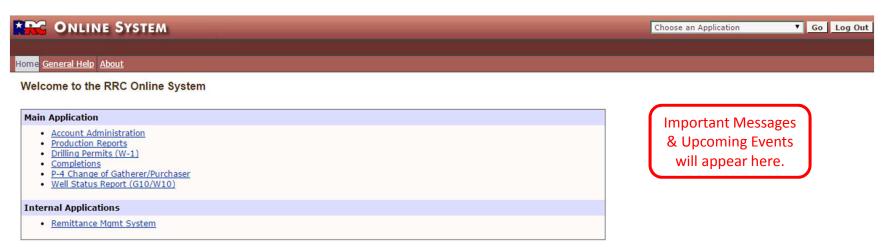
If you are uncertain whether your company has a security administrator, please email the Commission at rcconline-security@rrc.state.tx.us.

- 1. Read the requirements for participating in online filing.
- 2. Print the SAD form.
- 3. Complete and sign the form then mail it to the RRC, following instructions on Page 2 of the form. When the form is processed, the designated security administrator will receive a User ID and temporary password by email.
- 4. The security administrator will log into the system and assign User IDs and filing rights.

Enter your UserID & Password. If you have forgotten either use the Forgot Password? & Forgot User ID options to have instructions emailed to you.

Online Applications





New password rules are now in effect for Internal RRC users:

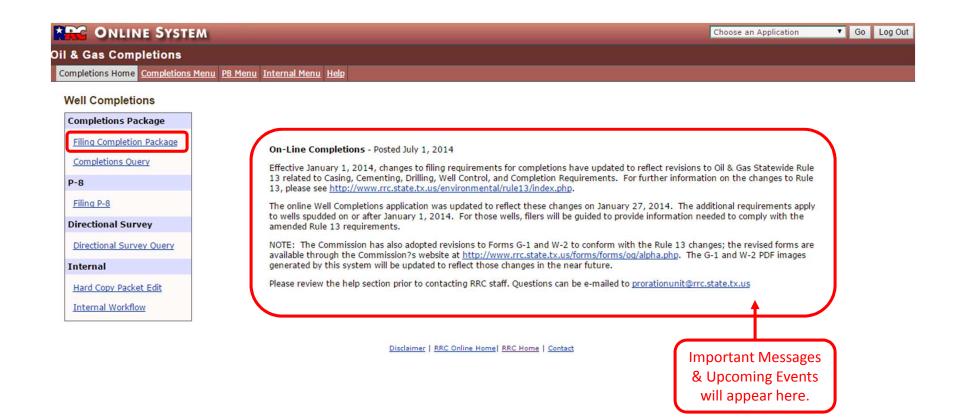
Passwords will expire after 90 days.
Three grace logins are allowed after password expiration.
After a password is changed, it may not be changed again for 24 hours.
A message will display above when your password is about to expire.

New passwords must meet the following requirements:

- 1) Have a minimum length of 8 characters.
- 2) Have at least one upper or lower case letter AND
 Have at least one numeric (0-9) OR special character (For example: !, \$, #, %)

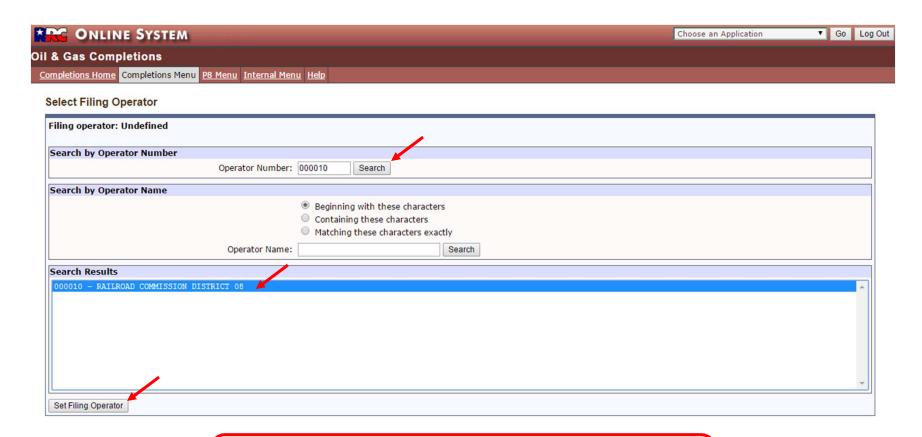
Completion Application





Select Filing Operator

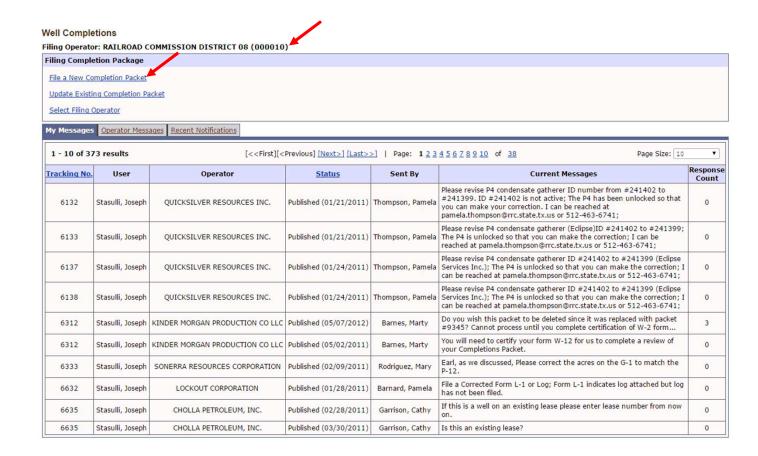




If you are filing as a Consultant/Agent you will need to enter the appropriate Operator information here. If you are filing as an Operator then the online system will automatically select your operator number.

Filing Options





Identify the Well



Well Completion Package Filing Operator: RAILROAD COMMISSION DISTRICT 08 (000010) To create a new Completion Package enter a Drilling Permit number or an American Petroleum Institute (API) Number. This number will be used to list all the Drilling Permits associated with the data entered. Either option may be used Drilling Permit No.: 745925 but the drilling permit number is recommended. API No .: Search Clear Filing Operator's Packets that have the status of Work In Progress or Pending Operator Update. If you wish to update any of the Packets listed below, click on the Completions Menu tab and select the Update Existing Completion Packets menu option. 0 results Page: 1 of 1 Page Size: View All ▼ Tracking No. **Drilling Permit No.** API No. District **Well Type Completion Type** Well No. **Packet Status**

Select the Field



Wells Found

Filing Operator: RAILROAD COMMISSION DISTRICT 08 (000010)



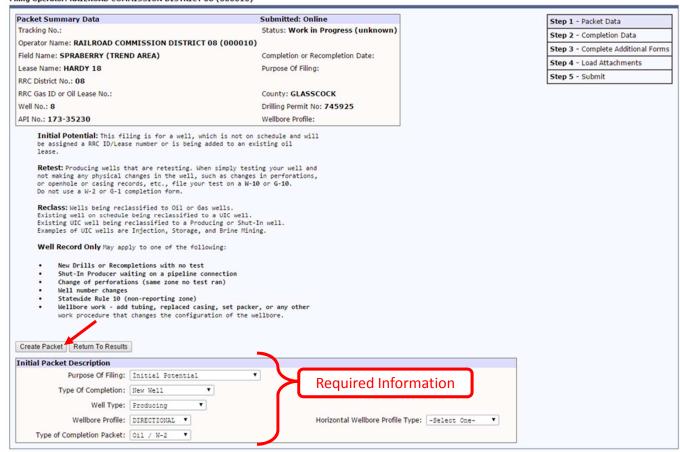
Select the field the well was completed in. If the well is downhole commingled you need to select the primary reporting field specified on your approved SWR-10 letter.

Initial Packet Description



Packet Data

Filing Operator: RAILROAD COMMISSION DISTRICT 08 (000010)



Packet Description Options



Purpose Of Filing

Initial Potential

Retest

Reclass Oil to Gas

Reclass Gas to Oil

Reclass Injection to Producing

Reclass Producing to Injection

Well Record Only

Horizontal Wellbore Profile Type:

Stacked Lateral

Type of Completion

New Well

Deepening

Plug Back

Sidetrack

Re-entry

Other/Recompletion

Type of Completion Packet

Gas / G-1

Oil / W-2

Well Type

Producing

Shut-In Producer

Active UIC

Shut-In UIC

Wellbore Profile

Horizontal

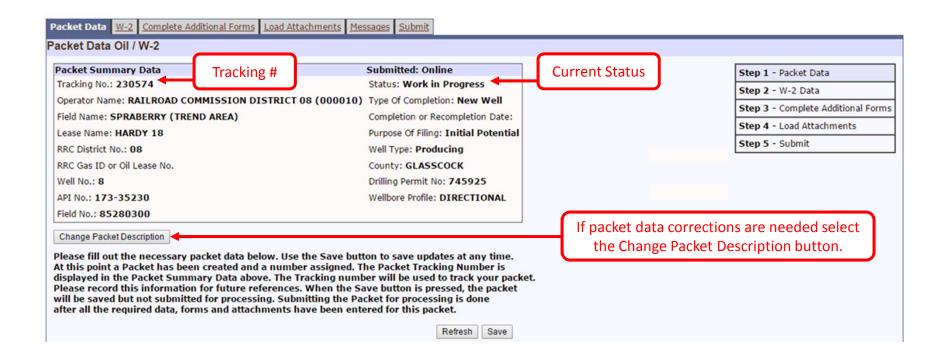
Directional

Vertical

Sidetrack

Verify Packet Data





Well Data & Workover Info.

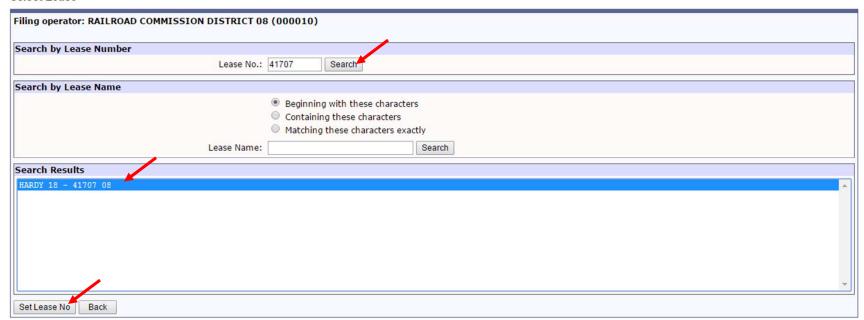


	Refresh	Save					
Well Data	(Table 1851)				I November 1		
Field Name: SPRABERRY	(IREND AREA)				No.: 8		
Lease Name: HARDY 18					tude: 31.85250		
County of Well Site: GLASSCOCK	(-	tude: -101.46028		
RRC District No.: 08				200000000000000000000000000000000000000	Type: NAD 27 ▼		
RRC Gas ID or Oil Lease No.: 41707 Sea	arch Lease			Lat/Long C	ther:		
This well is located: 1.4 miles in a: SOUTHE	EAST direction from	m: GARDEN CITY		, whic	ch is the nearest town in the co	ounty.	
Date of first production after rig released: 12/14/2012	MM/DD/YYYY - If the well is not comple	ted, use the date the	e rig was released	i.			
Spud Date: 09/12/2012	MM/DD/YYYY						Required
Type of Electric or other Log Run: Neutron/De	ensity logs (combo of tools) ▼						
Electric Log Other Description:							
Former Operator name if operator has		•					
changed within the last 60 days:	This	: "6					
Drill, Plug Back, or Deepen Permit No.: 745925 C	icai	is your "Co	-	7,5	Date: 09/25/2012		
Rule 37 Case No.:	Date'	' or the da [.]	te the we	ell	Date: MM/DD/	YYYY	
Fluid Injection Permit No.: F-	is cap	able of pro	duction	bv	Date: MM/DD/	YYYY	
O&G Waste Disposal Permit No.:		ng a switch			Date: MM/DD/	YYYY	
Other Permit No.:	Шррп	_			Date: MM/DD/	YYYY	
Other Description:		a valve	€.				
Location/Survey: T&P RR CO	/ CHANEY, W E			Survey E	Block: 33 T4S		
Survey Section: 18		-		Survey Abs	tract: 707	i	
1							
Use the Search button to auto populate data in the	Recompletion/Reclass table.						
If recompletion or reclass, give former field (with	reservoir) & gas ID or oil lease No.:						
Row Field & Reservoir	Lease No. Well Type	Well No.	District Code	Field No.	Prior Service Type		
1	-Select One- ▼				-Select One- ▼	Clear	
2	-Select One- Y				-Select One- ▼	Clear	
Add Row Search for Field & Reservoir							
	Refresh	Save					

Setting the Lease Number



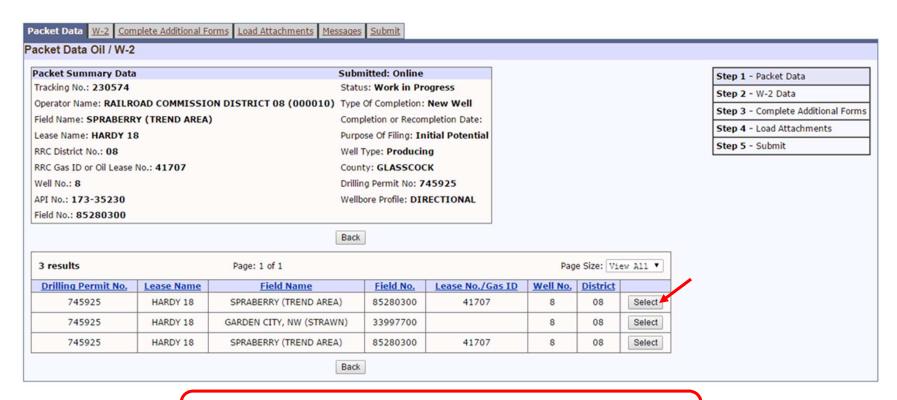
Select Lease



If this well is going onto an existing lease then you should be adding the lease number to the packet data at this time.

Search for Field & Reservoir





Always use the Search for Field & Reservoir button instead of manually keying the workover information. This will automatically fill in the workover information with the correct field number, well number etc.

Packet Data Successfully Saved



acket Data Oil / W-2		
Packet Summary Data	Submitted: Online	Step 1 - Packet Data
Tracking No.: 230574	Status: Work in Progress	Step 2 - W-2 Data
Operator Name: RAILROAD COMMISSION DISTRICT 08 (00001	The second secon	Step 3 - Complete Additional
Field Name: SPRABERRY (TREND AREA)	Completion or Recompletion Date: 12/14/2012	Step 4 - Load Attachments
Lease Name: HARDY 18	Purpose Of Filing: Initial Potential	Step 5 - Submit
RRC District No.: 08	Well Type: Producing	Step 5 Submit
RRC Gas ID or Oil Lease No.: 41707	County: GLASSCOCK	
Well No.: 8	Drilling Permit No: 745925	
API No.: 173-35230	Wellbore Profile: DIRECTIONAL	
Field No.: 85280300		
Change Packet Description Please fill out the necessary packet data below. Use the Save Is this point a Packet has been created and a number assigner isplayed in the Packet Summary Data above. The Tracking nu Please record this information for future references. When the vill be saved but not submitted for processing. Submitting the fter all the required data, forms and attachments have been of	d. The Packet Tracking Number is Imber will be used to track your packet. e Save button is pressed, the packet Packet for processing is done	
Change Packet Description Please fill out the necessary packet data below. Use the Save I this point a Packet has been created and a number assigned isplayed in the Packet Summary Data above. The Tracking nu Please record this information for future references. When the vill be saved but not submitted for processing. Submitting the	d. The Packet Tracking Number is Imber will be used to track your packet. e Save button is pressed, the packet Packet for processing is done	
Change Packet Description lease fill out the necessary packet data below. Use the Save I t this point a Packet has been created and a number assigned isplayed in the Packet Summary Data above. The Tracking nu lease record this information for future references. When the vill be saved but not submitted for processing. Submitting the fter all the required data, forms and attachments have been of	d. The Packet Tracking Number is umber will be used to track your packet. e Save button is pressed, the packet Packet for processing is done entered for this packet.	
Change Packet Description lease fill out the necessary packet data below. Use the Save I t this point a Packet has been created and a number assigned isplayed in the Packet Summary Data above. The Tracking nu lease record this information for future references. When the fill be saved but not submitted for processing. Submitting the fter all the required data, forms and attachments have been of	d. The Packet Tracking Number is Inber will be used to track your packet. E Save button is pressed, the packet Packet for processing is done entered for this packet. Refresh Save	Well No.: 8
Change Packet Description lease fill out the necessary packet data below. Use the Save I t this point a Packet has been created and a number assigned isplayed in the Packet Summary Data above. The Tracking nu lease record this information for future references. When the fill be saved but not submitted for processing. Submitting the fter all the required data, forms and attachments have been of	d. The Packet Tracking Number is Inber will be used to track your packet. E Save button is pressed, the packet Packet for processing is done entered for this packet. Refresh Save	Well No.: 8 Well Latitude: 31.85250
Change Packet Description lease fill out the necessary packet data below. Use the Save I this point a Packet has been created and a number assigner isplayed in the Packet Summary Data above. The Tracking nu lease record this information for future references. When the rill be saved but not submitted for processing. Submitting the fter all the required data, forms and attachments have been of the processing of the required data. Field Name: SPRABERRY (TREND ARE)	d. The Packet Tracking Number is Inber will be used to track your packet. E Save button is pressed, the packet Packet for processing is done entered for this packet. Refresh Save	
Change Packet Description Clease fill out the necessary packet data below. Use the Save I to this point a Packet has been created and a number assigner isplayed in the Packet Summary Data above. The Tracking nu clease record this information for future references. When the vill be saved but not submitted for processing. Submitting the fiter all the required data, forms and attachments have been of the Vell Data Field Name: SPRABERRY (TREND ARE Lease Name: HARDY 18	d. The Packet Tracking Number is Inber will be used to track your packet. E Save button is pressed, the packet Packet for processing is done entered for this packet. Refresh Save	Well Latitude: 31.85250
Change Packet Description lease fill out the necessary packet data below. Use the Save It this point a Packet has been created and a number assignet siplayed in the Packet Summary Data above. The Tracking nu lease record this information for future references. When the rill be saved but not submitted for processing. Submitting the fiter all the required data, forms and attachments have been of the process o	d. The Packet Tracking Number is Inber will be used to track your packet. E Save button is pressed, the packet Packet for processing is done entered for this packet. Refresh Save	Well Latitude: 31.85250 Well Longitude: -101.46028
Change Packet Description Please fill out the necessary packet data below. Use the Save It this point a Packet has been created and a number assigner isplayed in the Packet Summary Data above. The Tracking nu release record this information for future references. When the vill be saved but not submitted for processing. Submitting the fiter all the required data, forms and attachments have been of the process of the saved but not submitted for processing. Well Data Field Name: SPRABERRY (TREND ARE. Lease Name: HARDY 18 County of Well Site: GLASSCOCK RRC District No.: 08	d. The Packet Tracking Number is Inber will be used to track your packet. E Save button is pressed, the packet Packet for processing is done entered for this packet. Refresh Save	Well Latitude: 31.85250 Well Longitude: -101.46028 Lat/Long Type: NAD 27 ▼

W-2 Page 1 (Potential Test Data)



acket Summary Data	Submitted: Online	Step 1 - Packet Data
racking No.: 230574	Status: Work in Progress	Step 2 - W-2 Data
Operator Name: RAILROAD COMMISSION DISTRICT 08 (000010)	Type Of Completion: New Well	
ield Name: SPRABERRY (TREND AREA)	Completion or Recompletion Date: 12/14/2012	Step 3 - Complete Additional For
ease Name: HARDY 18	Purpose Of Filing: Initial Potential	Step 4 - Load Attachments
RRC District No.: 08	Well Type: Producing	Step 5 - Submit
RC Gas ID or Oil Lease No.: 41707	County: GLASSCOCK	
Vell No.: 8	Drilling Permit No: 745925	
PI No.: 173-35230	Wellbore Profile: DIRECTIONAL	
ield No.: 85280300		
R	effesh Page 1 2 3 4 5 6 Save Edit	
otential Test Data		
Date of Test: 12/20/2012 MM/DD/YYYY	Hours Tested: 24	If "Pumping" enter the
Production Method: Fumping ▼	Choke Size:	The second secon
If Pumping, Pump Size: 1 1/4" x 26'	Pump Type: RHBC	pump size & type.
		If "Flowing" enter the
Was swab used during this test?: No Yes		
Oil Produced Prior to Test: 340 BBL		choke size.
Injection Gas/Oil Ratio: CF/BBL	•	The test date should be
emarks:		newer than the
roduction During Test Period		completion date but
Oil: 154 BBL Gas: 3		
Water: 413 BBL Flowing Tubing Pressure:	PSIG	prior to the submittal
	F310	date.
Gas - Oil Ratio: 0 MCF/BBL x 1000		
alculated 24 Hour Rate		
Oil: 154 BBL Gas: 304	MCF	
	API-60°F	
Water: 413 BBL Oil Gravity: 42	API-00°F	

W-2 Page 1 (Potential Test Data)



- Required by Statewide Rules 16 & 51
- Effective April 28, 2015, Completions are required to be filed within 90 days after completion of the well or within 150 days after the date on which the drilling operation is completed, which ever is earlier(SWR-16).
- Allowable effective date may be backdated to the completion date if the form is submitted online or stamped in the Austin office within 10 days of the test date (SWR-51)
- Wells needing an allowable must include a test
- Non-producing wells and service wells, no test required
- Allowable set based on date of receipt

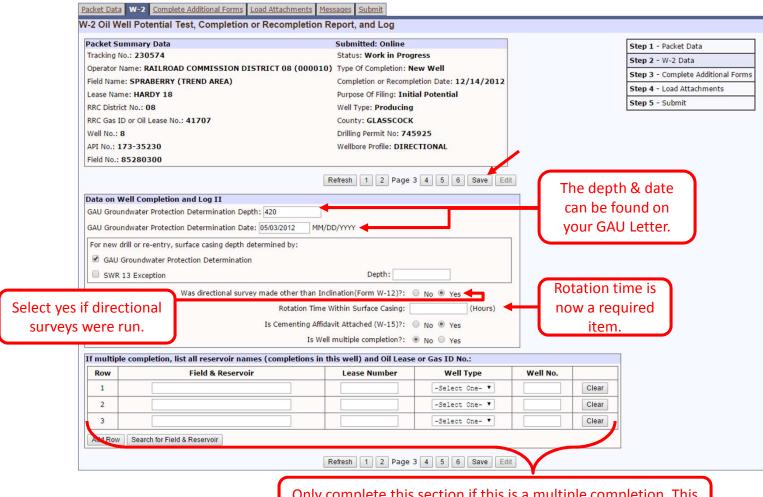
W-2 Page 2 (Well Completion Data I)



Dooket Commercial Detail		Submitted: Online	AND THE RESIDENCE OF THE PARTY
Packet Summary Data Tracking No.: 230574		Status: Work in Progress	Step 1 - Packet Data
The second of the second secon	AD COMMISSION DISTRICT 08 ((000010) Type Of Completion: New Well	Step 2 - W-2 Data
Field Name: SPRABERRY		Completion or Recompletion Date: 12/14/2012	Step 3 - Complete Additional Form
Lease Name: HARDY 18		Purpose Of Filing: Initial Potential	Step 4 - Load Attachments
RRC District No.: 08		Well Type: Producing	Step 5 - Submit
RRC Gas ID or Oil Lease N	lo.: 41707	County: GLASSCOCK	
Well No.: 8		Drilling Permit No: 745925	
API No.: 173-35230		Wellbore Profile: DIRECTIONAL	
Field No.: 85280300			
		Refresh 1 Page 2 3 4 5 6 Save Edit	If this is the initial
Data on Well Completio	on and Log I		filing this may be
	Number of Producing Wells of	on this lease in this field	the rig release date.
this is the initial	(reserv	voir) including this well: 8	the higherease date.
	Total numbe	r of acres on this lease: 642.9	
ng use the "spud" Date	e Plug Back, Deepening, Recompletion	n, or Drilling Operations	♦
date		Commenced: 09/12/2012 MM/DD/YYYY	Ended: 09/24/2012 MM/DD/YYYY
	Location of well, relative to n	earest lease boundaries	☐ Off Lease
Lease lines should	of lease on wi	hich this well is located: 1513.0 Feet from the	North ▼ Line and
		1787.0 Feet from the	West ▼ Line of the
match the permit		HARDY 18	Lease.
actly. If not you need	Distance to pearest well in	n this lease & reservoir: 1148.0 feet	
to add remarks or	Distance to hearest well in		
oossibly amend the		Elevation: 2617 feet	Elevation Code: ☐L ▼
•		Vertical Depth: 10376 feet	Measured Depth: 10385 feet
permit.	/	Plug Back Depth - TVD: 10306 feet	Plug Back Depth - MD: 10315 feet

W-2 Page 3 (Well Completion Data II)

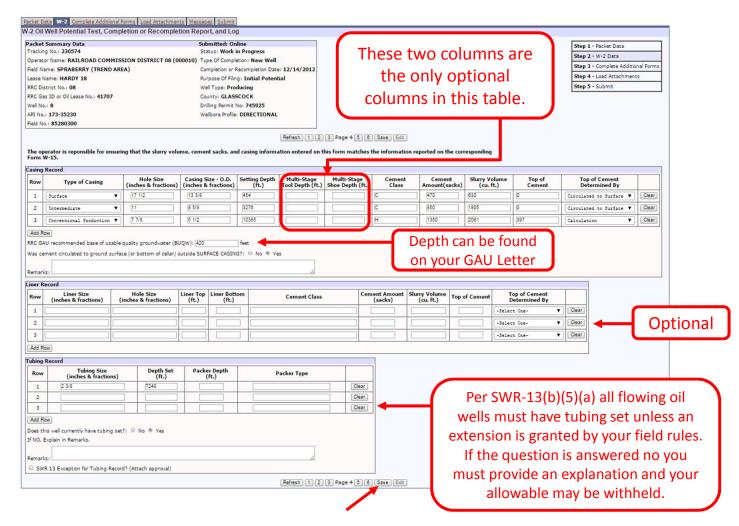




Only complete this section if this is a multiple completion. This section is not for workovers or downhole commingled wells.

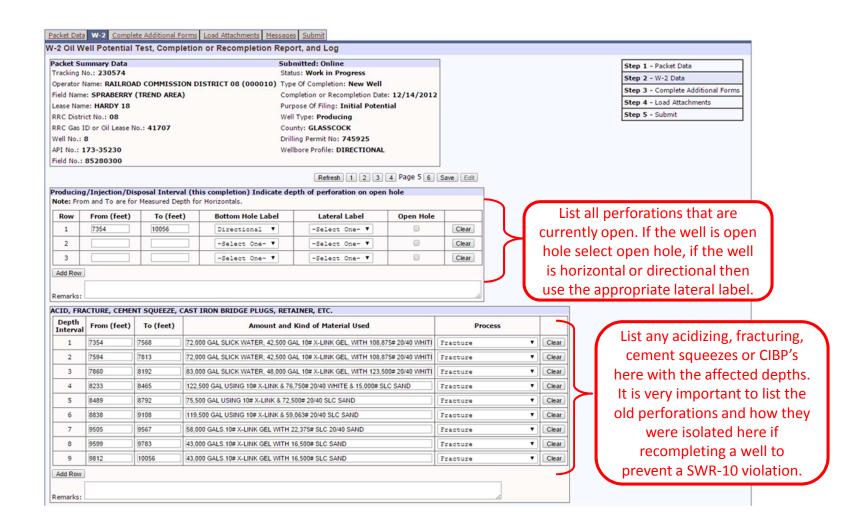
W-2 Page 4 (Casing, Liner & Tubing)





W-2 Page 5 (Producing Interval & Fracture)

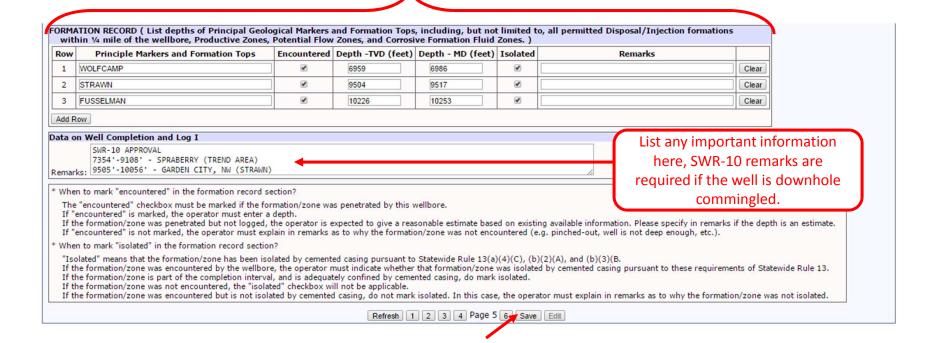




W-2 Page 5 (Formation Record)

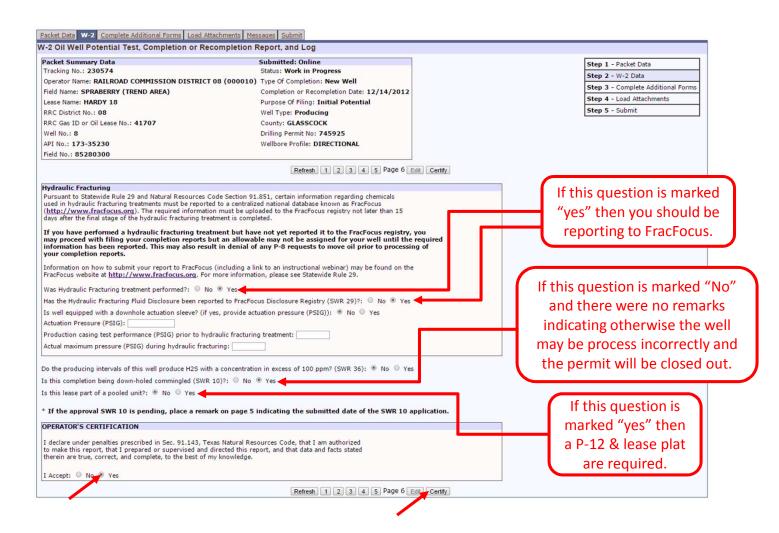


The formation record is required per SWR-13. If the well is directional or horizontal make sure to list both the TVD's & MD's



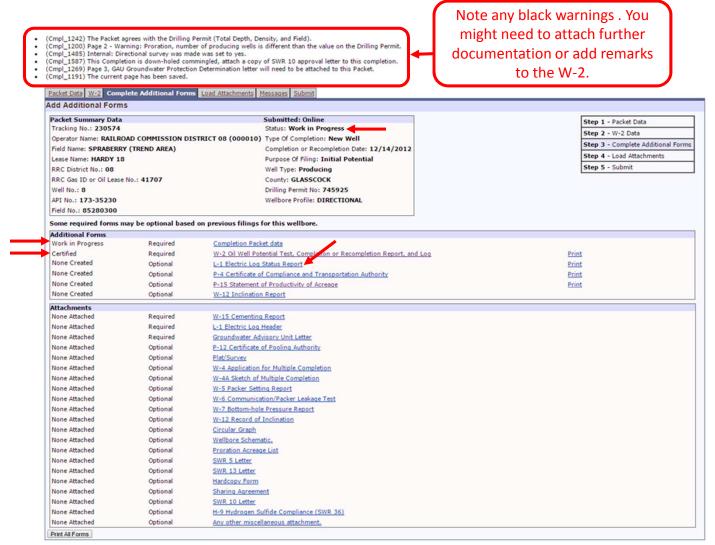
W-2 Page 6 (Certification Page)





Complete Additional Forms





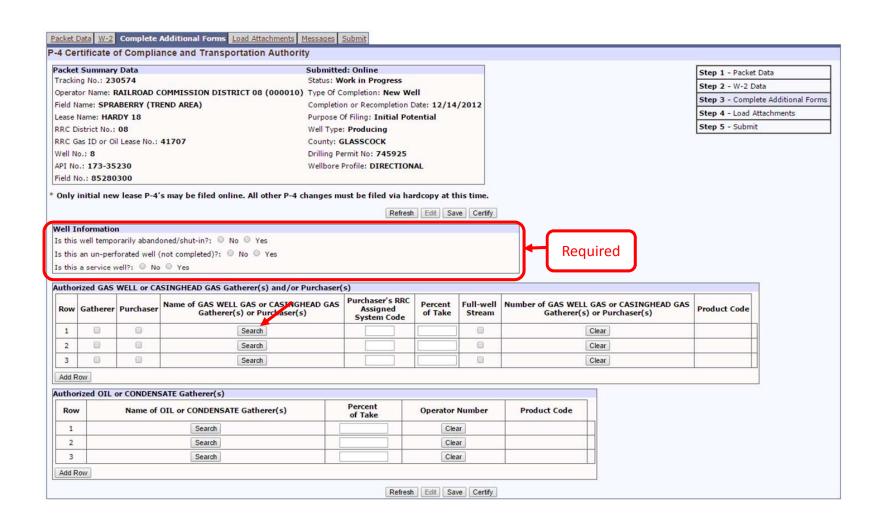
L-1 (Electric Log Status Report)



	Submitted: Online	
	Status: Work in Progress	Step 1 - Packet Data
perator Name: RAILROAD COMMISSION DISTRICT 08 (000010)	A CONTRACTOR OF THE CONTRACTOR	Step 2 - W-2 Data
eld Name: SPRABERRY (TREND AREA)	Completion or Recompletion Date: 12/14/2012	Step 3 - Complete Additional Fo
ase Name: HARDY 18	Purpose Of Filing: Initial Potential	Step 4 - Load Attachments
C District No.: 08	Well Type: Producing	Step 5 - Submit
RC Gas ID or Oil Lease No.: 41707	County: GLASSCOCK	
ell No.: 8	Drilling Permit No: 745925	
I No.: 173-35230	Wellbore Profile: DIRECTIONAL	
eld No.: 85280300		
	Refresh Edit Certify	
ıthorization		
Basic Electric Log Not Run		
Basic Electric Log Run		
Confidentiality already granted on basic electric log covering t Basic electric log covering this interval already on file with Co Cog attached to (select one)	mmission (applicable to deepened wells only).	you will need to attach a log header. If "Log attached" is selected please mail the
(a) Form L-1 (this form). If the company lease name on log Check here if attached log is being submitted after being held completion: (b) Form P-7, Application for Discovery Allowable and New (c) Form W-4, Application for Multiple Completion: lease of Lease of ID No.(s): Well No.(s):	confidential Field Designation.	physical log to Austin as soon as possible.
Check here if attached log is being submitted after being held of the control of	confidential Field Designation.	physical log to Austin as soon

P-4 (Cert. of Compliance & Trans. Authority)

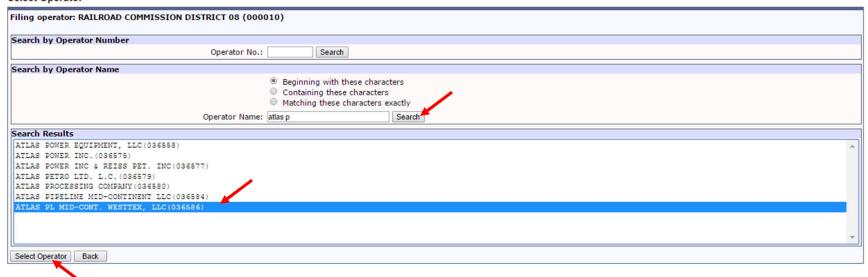




P-4 (Searching for Gatherer's & Purchasers)

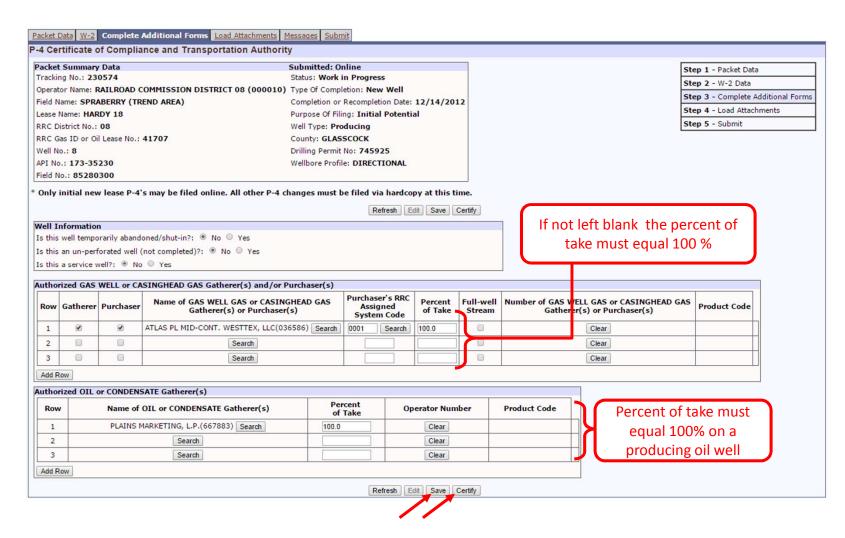


Select Operator



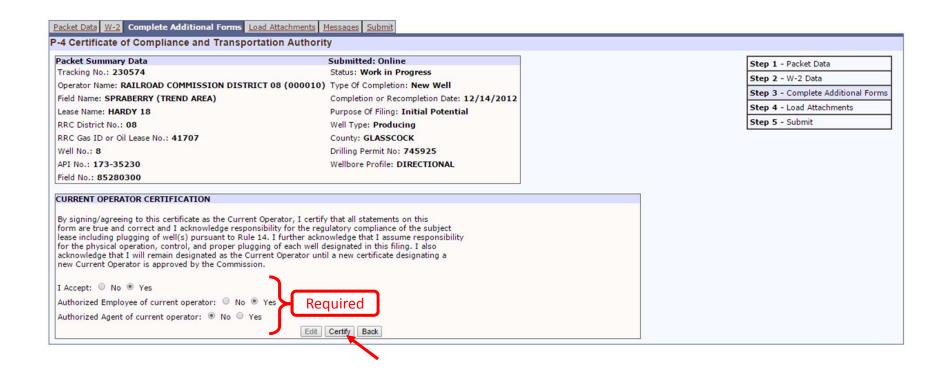
P-4 (Cert. of Compliance & Trans. Authority)





P-4 (Certification Page)





P-4 (Cert. of Compliance & Trans. Authority)



- Required by Statewide Rule 58
- P-4 Form is a certificate of compliance as well as authorization for gathering of hydrocarbons
- Same form is used for oil and gas wells
- One form P-4 each oil lease (and one for each individual gas well)
- New lease P-4s can be submitted with completions
- Gatherer/Purchaser changes can be submitted via an P-4 Online System, approved within 15 minutes
- Copies and instructions are available on RRC website, Forms Library
- Fill out the P-4 in it's entirety listing complete company names (even if information is not being changed) – processed as filed
- All percentages need to add up to 100%
- Always show a system code for the gas purchaser
- Show the company that actually moves the stock; purchaser is not required for liquid (oil) gatherer

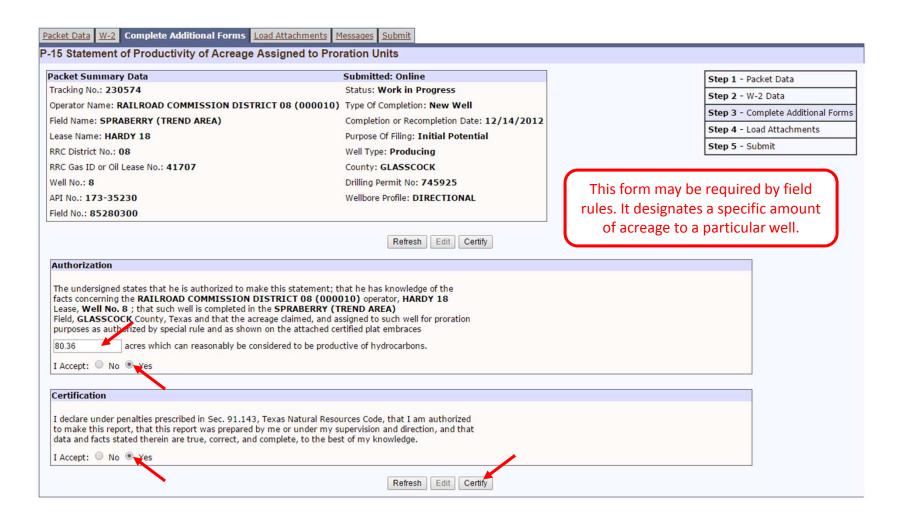
P-4 (Cert. of Compliance & Trans. Authority)



- Item 12 check appropriate box for changes being made
- P-4's can be used to:
 - Change an operator name
 - Change a gatherer or purchaser name
 - Change a lease name
 - Subdivision, Unitizations, and Consolidations of oil leases accompanying the form P-6
- Operator change P-4's must be signed by both companies
- Requires original signatures
- RRC cannot process a P-4 if the Operator, Gatherer, or Purchaser's P-5 in delinquent or inactive (hardcopy or online)
- P-4's that are attached to online completions will not be processed, those should be mailed in hardcopy to the Austin office

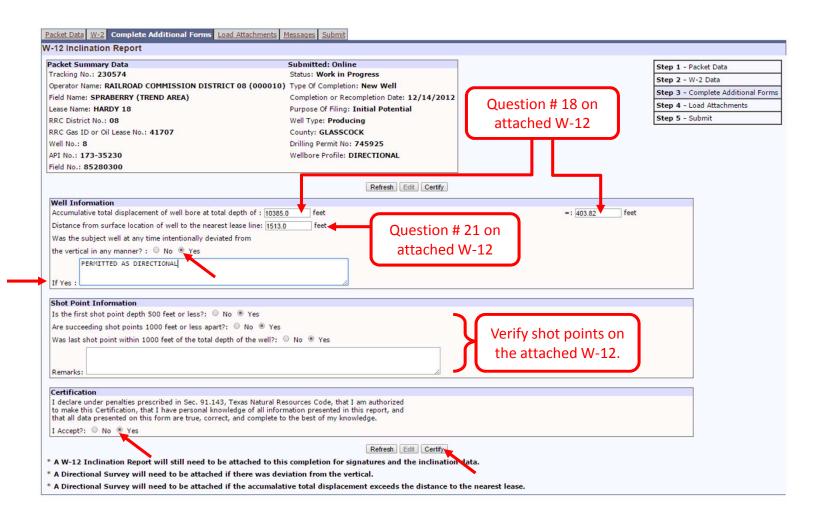
P-15 (Statement of Productivity of Acreage)





W-12 (Inclination Report)

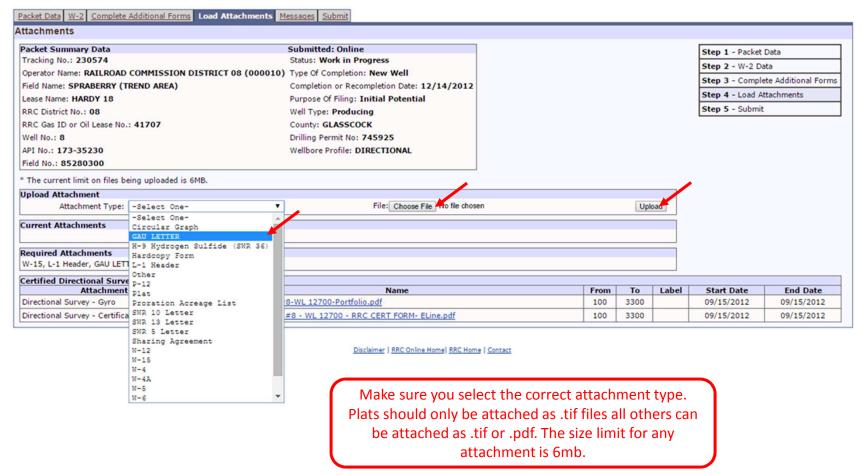




Load Attachments



(Cmpl_1588) The Approval Letter (SWR 10) will need to be attached to this packet.



GAU Letter (G.W. Protection Determ.)



Advisory Unit	Date May 3, 2012	GAU File N	io.: sc- 5865
	**** EXPEDITED APPLICATION ***	*** API Numb	er 17300000
Attention: RONDA WHITE	7200_17300000_000000_5865.pdf	RRC Lease	No. 000000
	Measured	Digital A	Aap Location:
	467 ft FWL	X-coord/Long	1648792
APACHE CORP 303 VETERANS AIRPARK LN	1980 ft FSL	Y-coord/Lat	794546
STE 3000 MIDLAND TX 79705	MRL: SURVEY	Datum 27	Zone C
			Purpose xm
County GLASSCOCK Lease & Well N	o. HARDY 18 #36ALL		Purpose ND
ocation SUR-T&P,BLK-33,TSHP-4S,SE	C-18,[TD=11000],[RRC 8],		
beds must be protected. The depth between 350 and 400 fe	surface to 20 feet below the be base of the Cretaceous is esect. uate for all wells drilled in	timated to	occur at a
beds must be protected. The depth between 350 and 400 for	e base of the Cretaceous is es eet.	timated to	occur at a
beds must be protected. The depth between 350 and 400 for	e base of the Cretaceous is es eet.	timated to	occur at a
beds must be protected. The depth between 350 and 400 f. This recommendation is adequated the second of the secon	e base of the Cretaceous is esect. uate for all wells drilled in ed to apply only to the subject well and not to area-wide erations only. It does not apply to saltwater disposal or	this section	n 18.
beds must be protected. The depth between 350 and 400 f. This recommendation is adequated to the state of th	e base of the Cretaceous is esect. uate for all wells drilled in ed to apply only to the subject well and not to area-wide erations only. It does not apply to saltwater disposal or	this section	n 18.
beds must be protected. The depth between 350 and 400 f. This recommendation is adequated to the state of th	e base of the Cretaceous is esect. uate for all wells drilled in ed to apply only to the subject well and not to area-wide erations only. It does not apply to saltwater disposal or	use. This recommendate a nonperation into a nonperation into a nonperation into a Good	dation is reductive
beds must be protected. The depth between 350 and 400 f. This recommendation is adequated to the state of th	e base of the Cretaceous is esect. uate for all wells drilled in ed to apply only to the subject well and not to race-wide erations only. It does not apply to sultwater disposal of 463-2741, pauging state taxes, or by mail.	usc. This recommens	dation is reductive

L-1 Header



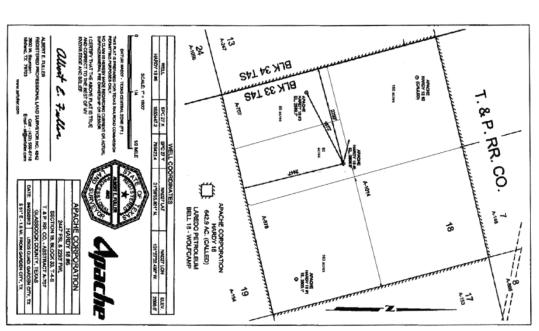
BAK HU Baker Atlas	COMPENS COMPENS COMPENS DIGIT	SATED Z-DENSILOG SA ATED NEUTRON LOG AL SPECTRALOG S AMA RAY LOG	IR BEST ICAL OR ANY TATION	70 3276 FT	
	DMPANY APACHE CORPORATION HARDY 18 #8	DN .	OF THEIR ELECTRICA IESS OF AL EES, OR ITERPRETA'	FROM 0 FT	
API NO: FI	ELD SPRABERRY (TREND DUNTY GLASSCOCK	AREA) STATE TEXAS	BENEFIT (CORRECTINITY DAWAGITY, DAWAGITY) MA ANY IN	#	
Ver. 3.87 L(C	DCATION: 513' FNL & 1787' FWL ECTION 18, BLOCK 33 T4S URVEY: T&P RR CO A-7	OTHER SERVICES DLL DAI	THE OR COS	GRADE	\$ 656.)
PERMANENT DATUM LOG MEASURED FROM DRILL MEAS. FROM	GL ELEVATION 2617 KB 17 FT ABOVE KB 10 FT ABOVE		TILL GIVE CUSTOMER 1 IINNS BASED ON INFEI MANTEE THE ACCURACY SIBLE FOR ANY LOSS, CUSTOMER RESULTING	WEIGHT 32 LB/F	REMARKS WCL: 4603 PPM CL: 2798 PPM CL: 2798 PPM CREMARKS CREM
DATE RUN TRIP SERVICE ORDER	22-SEP-2012 1 1 623072		EMPLOYEES WILL NS ARE OPINION DO NOT GIARMAT OR RESPONSIBLI NED BY THE CUS	SIZE 8.625 IN	REMARKS (TOTAL VOLU)
DEPTH DRILLER DEPTH LOGGER BOTTOM LOGGED INTERVAL	10385 FT 10386 FT 10331 FT		SS OUR EMPLC FETATIONS AR NID WE DO NO LIABLE OR R SUSTAINED E	α	REM MICL: 4603 FPM CL: 2798 FPM CL: 2798 FPM EDREHOLE & CEMENT VOLUMES PRESENTED (TOTAL 1 SMALL TITK = 10 OLU, FT. 1 LARGE TICK = 100 CU, FT. 1 LARGE TICK = 100 CU, FT. PORZC & CNC RECORDED ON A LIMESTONE WATRIX CNC IS CASING AND CALIPER CORRECTED CREW: J.LOYA / M.FIERRO / E.BOU RIG: UNION DRILLING 277
TOP LOGGED INTERVAL	200 FT 8.625 IN 9 3276 FT	•	SS OUR SETATIC AND WE LIABLE SUSTAI	П	MES PI
BIT SIZE TYPE OF FLUID IN HOLE	3275 FT 7.875 IN FRESH		OF LOGS NTERPRET NOT, AND OT BE LI RED OR SU EES.	TO 3276 日 10385 日	NT VOLL 100 CU, 100 CU, 1000 CU, 0RDED C ND CALLI
DENSITY VISCOSIT PH FLUID LO SOURCE OF SAMPLE			ATIONS OF E ALL INT WE CANNO SHALL NOT INCURRED EMPLOYEES EMPLOYEES	+	03 PPM PPM PPM PPM PPM PPM PPM PPM PPM PP
RM AT MEAS. TEMP. RMF AT MEAS. TEMP.	1.1031 OHMM	Properties	INTERPRETATIONS BUT SINCE ALL UREMENTS, WE CAN ATION WE SHALL IN THE TRAFFICE IN THE INTERPRETATION THE INT	FROM 0 FT 3276 FT	MACL: 4603 PPW CL: 2798 PPW CL: 2798 PPW EDREHOLE & CEMENT VOLUMES PRESE 1 SAMLT TICK = 10 CU, FT. 1 LARGE TICK = 1000 CU, FT. PORZC & CNC RECORDED ON A LIMES CNC IS CASING AND CALIPER CORRE CREW: J.LOYA / M.FIERRO / E.BOU RIG: UNION DRILLING 217
RMC AT MEAS. TEMP. SOURCE OF RMF RM AT BHT	1.38 OHMM	ED	NO INTERPRETATIONS NT. BUT SINCE ALL EASUREMENTS, WE CA ETATION. WE SHALL STATION. WE SHALL ANY OF OUR EMPLOY BOREHOLE RECORD	- M	. %2 8 82 2≊
TIME SINCE CIRCULATION MAX. RECORDED TEMP. EQUIP. NO. LOCATION	9.5 HRS 176 DEGF		IN MAKING INTERPRETATIONS OF JUDGEMENT, BUT SINCE ALL INTENTER MEASUREMENTS, WE CANNOT INTERPRETATION, WE SHALL NOT EXPENSES WHATSOEVER INCURRED MADE BY ANY OF OUR EMPLOYEES. BOREHOLE RECORD	11 IN 875 IN 875 IN] -
RECORDED BY WITNESSED BY	K.SCHADE / B.TELLER B.FUENTES / S.HENSON		IN MADE	FB 7.8.7	RUN 1 TRIP

Log & Log Header Requirements

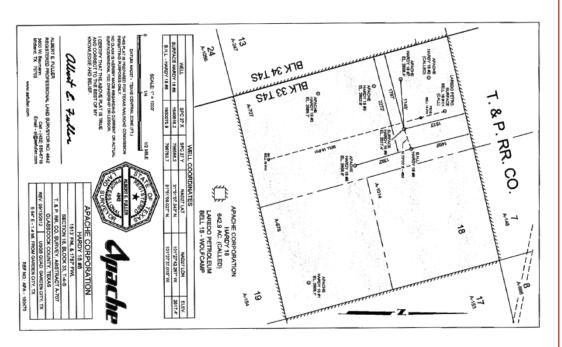


- Company Name
- Lease Name
- Well Number
- Field
- API number
- Elevations
- Fluid/Mud Properties
- Logger depth must cover the producing interval
- Log header must be legible for audit and scanning
- Log must be continuous, not printed on high gloss paper and cannot be altered (i.e. printed and taped or stapled together)

Proration Plat Example



Lease Plat Example





Proration Plat



- Feild rules will specify whether proration plats, P-15's, acreage lists, lease plats, or no plats are required.
- Plats are required to show:
 - the outline of the proration unit,
 - show the lease line distances,
 - the distances to the nearest well
 - plats are to be certified and to scale
- Please identify the plat with a district and lease number, API number, or Permit number when filing hardcopy.
- Additional Form P-15's, Proration Plats, or Proration Acreage List may be required to reassign acreage for oil wells on the same lease

Proration Acreage List



Oil Lease No./Gas Well ID No: 41707

Lease Name(s): HARDY 18

Operator(s): APACHE CORPORATION 027200

API No.	District	L	ease No.	Lease Name	Well No.	Field No	Field Name	Acres
17333893		8	41707	HARDY 18	1	85280300	SPRABERRY (TREND AREA)	40.18
17333913		8	41707	HARDY 18	2	85280300	SPRABERRY (TREND AREA)	40.18
17334943		8	41707	HARDY 18	3	85280300	SPRABERRY (TREND AREA)	80.36
17334664		8	41707	HARDY 18	5	85280300	SPRABERRY (TREND AREA)	40.18
17334947		8	41707	HARDY 18	6	85280300	SPRABERRY (TREND AREA)	40.18
17335229		8	41707	HARDY 18	7	85280300	SPRABERRY (TREND AREA)	80.36
17335230		8	41707	HARDY 18	8	85280300	SPRABERRY (TREND AREA)	80.36
17335273		8	41707	HARDY 18	9	85280300	SPRABERRY (TREND AREA)	80.36
17335407		8	41707	HARDY 18	10	85280300	SPRABERRY (TREND AREA)	40
17335408		8	41707	HARDY 18	11	85280300	SPRABERRY (TREND AREA)	40.36
17335879		8	41707	HARDY 18	12	85280300	SPRABERRY (TREND AREA)	40.36
17335880		8	41707	HARDY 18	13	85280300	SPRABERRY (TREND AREA)	40
							ALLOCATED ACRES IN LEASE	642.88
	•		•	red by field ru			TOTAL ACRES IN LEASE	642.9
				in the specification in the sp			UNALLOCATED ACRES IN LEASE	0.02

Proration Acreage List



- Proration Acreage Lists are required in addition to a P-15 and a lease plat if specifically stated in the field rules
- The Proration Acreage List should include the following:
 - Field name
 - Lease name
 - All wells completed within the lease
 - A RRC identifier or tracking # for each well RRC lease number
 - API number
 - Permit number
 - Total Acreage in the lease
 - Acreage assigned to each well
 - Number of acres not assigned to wells

P-16 (Acreage Designation Section I & II)





RAILROAD COMMISSION OF TEXAS

1701 N. Congress P.O. Box 12967 Austin, Texas 78701-2967 P-16 Data Sheet (Optional)

Page 1

Rev. 09/2014

Acreage Designation

The state of the s	
ATOR INFORMATION	
Operator P-5 No.: 000010	
ELL INFORMATION	
County: GLASSCOCK	Purpose of Filing:
API No.: 173-35230	Drilling Permit Application
Drilling Permit No.: 745925	(Form W-1)
Lease No.: 41707	✓ Completion Report
Field No.: 173-35230	(Form G-1/W-2)
	ELL INFORMATION County: GLASSCOCK API No.: 173-35230 Drilling Permit No.: 745925 Lease No.: 41707

Filer is the owner or lessee, or has been authorized by the owner or lessee, of all or an undivided portion of the mineral estate under each tract for which filer is listed as operator below. For all leases operated by other entities, the number of assigned acres shown are reflected on current Commission records or the filer has been authorized by the current operator to change the assigned acreage of that operator as shown below.

SEC	SECTION III. LISTING OF ALL WELLS IN THE APPLIED-FOR FIELD ON THE SAME ACREAGE AS THE LEASE, POOLED UNIT, OR UNITIZED TRACT DESIGNATED IN SECTION II ABOVE BY FILER										
RRC ID No. or Lease No.	Well No.	H-Horizontal D-Directional V-Vertical	Lease Name	API No.	Acres Assigned	SWR 38 Except. (Y/N)	Operator Name and Operator No. (if different from filing operator)				
41707	1	٧	HARDY 18	173-33893	40.18	N					
41707	2	V	HARDY 18	173-33913	40.18	N					
41707	3	V	HARDY 18	173-34943	80.36	N					
41707	5	V	HARDY 18	173-34664	40.18	N					
41707	6	V	HARDY 18	173-34947	40.18	N					
41707	7	V	HARDY 18	173-35229	80.36	N					
41707	8	D	HARDY 18	173-35230	80.36	N					
41707	9	V	HARDY 18	173-35273	80.36	N					
41707	10	V	HARDY 18	173-35407	40.00	Y					
41707	11	V	HARDY 18	173-35408	40.36	Y					
41707	12	V	HARDY 18	173-35879	40.36	Y					
41707	13	V	HARDY 18	173-35880	40.00	Y					

P-16 (Acreage Designation Section III & IV)



RRC ID No. or Lease No.	Well No.	H-Horizontal D-Directional V-Vertical	Lease Name	API No.	Acres Assigned	SWR 38 Except. (Y/N)	Operator Name and Operator No. (if different from filing operator
41707	1	V	HARDY 18	173-33893	40.18	N	
41707	2	V	HARDY 18	173-33913	40.18	N	
41707	3	V	HARDY 18	173-34943	80.36	N	
41707	5	V	HARDY 18	173-34664	40.18	N	
41707	6	V	HARDY 18	173-34947	40.18	N	
41707	7	V	HARDY 18	173-35229	80.36	N	
41707	8	D	HARDY 18	173-35230	80.36	N	
41707	9	V	HARDY 18	173-35273	80.36	N	
41707	10	V	HARDY 18	173-35407	40.00	Υ	
41707	11	V	HARDY 18	173-35408	40.36	Y	
41707	12	V	HARDY 18	173-35879	40.36	Y	
41707	13	V	HARDY 18	173-35880	40.00	Y	
otal Well Count >	12	000.00 642.90 642.88 000.02	< A. Total Assigned Horiz. Ac Total Remaining Horiz. Ac B. Total Assigned Vert./Dir Total Remaining Vert./D	creage Acreage	642.88 000.02		Assigned Acreage Remaining Acreage
		SEC	CTION IV. REMARKS / PURPOS	E OF FILING (see	instructions)		
2-15 & ACRE	AGE L	IST					
Attach Additional P	ages As N	leeded.	No additional pages	Additional Page	es: (No	o. of addition	nal pages)
			d in Sec. 91.143, Texas Natural Re nd that the information contained REGULATORY AN	in this report is tru	e, correct, and	complete to	
			Name and title (type or print)		Email (include	de email addre	ess only if you affirmatively
gnature			Name and the (type of print)			ts public relea	

10/5/2015 45



BARRY T. SMITHERMAN, CHAIRMAN DAVID PORTER, COMMISSIONER CHRISTI CRADDICK, COMMISSIONER



GIL BUJANO, P.E. DIRECTOR, OIL AND GAS DIVISION

RAILROAD COMMISSION OF TEXAS

OIL AND GAS DIVISION

January 28, 2013

APACHE CORPORATION ATTN: REGULATORY DEPARTMENT 2000 POST OAK BLVD STE 100 HOUSTON TX 77056

RE: APPLICATION FOR EXCEPTION TO SWR 10

LEASE: HARDY 18

GLASSCOCK COUNTY, DISTRICT 08, TEXAS

API NO. 173-35230

FIELD NAME	FIELD NO.
SPRABERRY (TREND AREA)	85280300
GARDEN CITY, NW (STRAWN)	33997700
HVDROGEN SULFIDE RESTR	

The Commission has approved your application to down-hole commingle production within the above-referenced wellbore from the SPRABERRY (TREND AREA); and GARDEN CITY, NW (STRAWN) fields in GLASSCOCK County, Texas. For allowable and reporting purposes, the well will be assigned to the SPRABERRY (TREND AREA) field. It will be necessary to have or obtain Commission authority to complete this well in each of the subject zones (Form W-1 approval). The effective date of this SWR 10 Exception is January 25, 2013. This exception to SWR 10 will expire if not used within two (2) years from the date of this permit. This expiration

Acreage assigned to the referenced well for allocation of allowable shall not be assigned to any other well or wells projected to or completed in the above-referenced fields; such duplicate assignment of acreage is not acceptable, provided, however, that this limitation shall not prevent the reformation of development or proration units so long as no duplicate assignment of acreage occurs, and further, that such reformation does not violate other conservation regulations.

The maximum daily allowable for the combined production will be limited to the top allowable for the SPRABERRY (TREND AREA) field and will become effective upon receipt of Form W-2 showing combined completion data and results of a 24-hour production test taken after the physical work of down hole commingling has been completed. Please indicate in "remarks" the reason for filing this report, giving date of Commission approval of this Rule 10 exception.

1701 NORTH CONGRESS AVENUE * POST OFFICE BOX 12967 * AUSTIN, TEXAS 78711-2967 * PHONE: 512/463-6838 * FAX: 512/463-6955 Page 1 of 2

Application for Exception to SWR 10, January 28, 2013 HARDY 18 — WELL NO. 8, API NO. 173-35230

Should secondary recovery operations be initiated in either of these reservoirs, it may be necessary to segregate these zones. If surface-commingling authority has been granted, it may be necessary to amend or cancel this authority.

Permit conditions:

The completion report for the commingled well must indicate which perforations belong to which field. The Commission may also require a wellbore diagram to be filed with the completion report for the commingled well. If filed, the wellbore diagram must indicate which perforations belong to

Note: The distribution of this document will be by E-MAIL ONLY. E-mail sent to keisha.stark@apachecorp.com.

If you have any questions, you may contact the engineering unit in the Austin office at 512-475-

1701 NORTH CONGRESS AVENUE * POST OFFICE BOX 12967 * AUSTIN, TEXAS 78711-2967 * PHONE: 512/463-6838 * FAX: 512/463-6955 TDD 800/735-2989 * AN EQUAL OPPORTUNITY EMPLOYER * http://www.rrc.state.tx.us



- Allows two or more Railroad Commission fields to be produced, downhole commingled, in the same production string.
- SWR-10 exception Data Sheet must be filled out and approved by the Engineering Department.
- The Exception Data Sheet Form and instructions can be found under the Oil and Gas Forms Library.
- For information about the Exception Data Sheet, please contact the Railroad Commission Engineering Department
- A well is considered non-compliant if the application has not been approved by the Railroad Commission Engineering Department.



- The completion for a SWR-10 is processed the same as any other completion with these exceptions:
 - The operator should reference SWR-10 approval in the remarks section on page 5 of the completion
 - If operator plans to complete downhole commingling at a later date, they
 must indicate in remarks "leave permit open for future SWR-10"
 - If these remarks are not posted on the completion, the drilling permit will be closed and you will be required to file an additional drilling permit.
- Must have an approved Drilling Permit
- If the well is already assigned a lease # in one of the non-reporting zones, then the existing lease # should be listed in the workover section of the Packet Data
- Must report perforations, formation tops, and completion intervals for each field completed.



- The SWR-10 approval letter must be attached and the fields must match the drilling permit.
- When completing SWR-10 wells make sure that the approved fields are valid, i.e. not consolidated
- When downhole commingling oil fields, only file a W-2 for the reporting zone.
- If Downhole commingling with gas fields already on schedule, list all RRC
 ID #'s in remarks
- When a gas field and an oil field are downhole commingled, the reporting field is decided based on the oil top allowable vs. the gas field type. The reporting zone will be listed on the SWR-10 approval letter. For more information contact Railroad Commission Engineering Department.
- For gas wells or oil wells that are SWR-10 w/ gas id #'s, the non reporting zones will remain on schedule with allowable code SWR-10



- What is a Blanket Order (SWR-10)
 - A final order granted through hearing for SWR-10 exception
 - Request for a specific combination of fields
 - Order may provide for "blanket SWR-10 authority" which allows for Abbreviated SWR-10 Data Sheets
 - Abbreviated applications may be approved without individual notice and hearing. Refer to field rules.
- Spraberry (Trend Area) and Various Fields
 - When downhole commingling, the primary reporting field and the non reporting fields should remain identical throughout all wells on the lease.
 - If RRC Analyst reviewing the completion is unable to determine if a well is downhole commingled, a cross section may be requested.

W-12 (Inclination Report)



							1	
		RAILRO	AD COMMISSION	OF TEXAS		Form W-12		
		0	IL AND GAS DIVIS	ION		(1-1-71)		
						6. RRC District		
						7. RRC Lease Number		
			INATION RE			(Oil completions only)		
			Carry Must Be Filled With Each Complete			41707		
	1. FIELD NAME (as per RRC F		2. LEASE NA			8. Wes Number		
	DPTabenty	trend Area	HARDY	18		9. RRC Identification Number		
	U. OF EIGHT ON					(Gas completions only)		
	APACHE CORPO	RATION				-l		
	303 VETERANS A	AIRPARK LANE, S	TE. 3000 - MIDLAN	ID, TX. 79705		10. County	1	
	Sec 18, 6	and Survey) BLK 33, T+4	15 TO 00	. Co. Survey	A-707	GLASSCOCK		
	isec 10, E		RECORD OF			GLASSCOCK		
	*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet	15. Course Displacement (feet)	16. Accumulative Displacement (feet)		
	,			(Sine of Angle X100)				
	410	410	.62	1.08	4.44 12.53	16.96		
	1367 2129	957 762	.75	1.75	13.30	30.26		
	2890	762	.75	1.75	9.96	40.22		
	3736	846	1.8	3.14	26.58	66.80		
	4562	826	3.6	6.28	51.89	118.69		
	5484	922	3.6	6.28	57.92	176.61		
	6436	952	3.5	6.11	58.15	234.76		
	7324	888 698	3.2 2.7	5.58 4.71	49.59 32.89	284.35 317.24		
	8022 8720	698	2.4	4.19	29.24	346.47		
	9577	857	1.1	1.92	16.45	362.92		
	10325	748	2.9	5.06	37.86	400.78		
	10385	60	2.9	5.06	3.04	403.82		Shot Points
				ļ				SHOL POINTS
								
			-		-	 		
	If additiona	I space is needed, use	the reverse side of this f	form.				
		shown on the reverse si		_ yes _ □ no				Drilling Permit
1 17		displacement of well bo rements were made in		10,385 feet = Open	403.82 feet. Hole Drill Pipe			
Required K		ace location of well to th			513	feet.	₩	
(' J1		to lease line as prescrib			الما	feet.	†	
			ally deviated from the ver on is "yes", attach written			NO		Field Dules
	(ii tiib diiss	var to the above question	ino you, attach witten	explanation of the disc	amotaneos.y			Field Rules
	INCLINATION DATA CERTIFI			OPERATOR CERTIFICATIO				
(am authorized to make this or	rescribed in Sec. 91.143, Texas dification, that I have personal	knowledge of the inclination date	alsm authorized to make this	prescribed in Sec. 91.143, Texas certification, that I have person	nal knowledge of all information		
	and facts placed on both side complete to the best of my kno	s of this form and that such data wiedge. This certification covers	a and facts are true, correct, an all data as indicated by asterisk	s and complete to the best of	that all data presented on both s my knowledge. This certification	covers all data and information		
	(*) by the dem numbers on this	form.		presented herein except indi this form.	Ination data as indicated by aste	risks (*) by the liem numbers on		
())	Laura.	Meune		Sugar	Hakemore		ľ	1
Required K	Signature of Authorized Repre-			Signature of Authorized Repr		0.1 —	Regu	uired
neganea	LAURA YOUNG,	OFFICE MANAGER	٦		lakemore-	Orla Tech		a.i. e.a
	Name of Person and Title (type			Name of Person and Title (by		0		
	UNION DRILLING	, INC.		Operator .	exposers-			
	Telephone: 325-698-	9864		Telephone 432 -8	18-1000			
		nission Use Only:					1	
	Approved By:	-		Title:		Date:		
		company that conducted the incl	ination surveys.					

W-12 (Inclination Report)



- Required by Statewide Rule 11
- Required on all new drills and deepened wells
- Record of Inclination:
 - first shot point is equal to or less than 500 hundred feet
 - subsequent shot points are no more than 1000 feet
 - Last shot point within 1000' of TD
- W-12 must be signed by the contractor that performed the test and the operator.
- W-12 is not required if a directional survey is filed for entire well bore
- A W-12 is not required for a well drilled to a total depth of 2000' feet of less.
- A W-12 is not required for a well that is deepened less than 300'.

W-15 (Cementing Report)



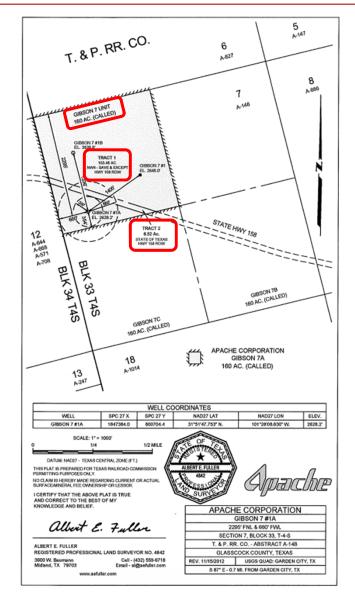
		1701 P.O.	IMISSION OF TEX. N. Congress Box 12967 exas 78701-2967		Form W Rev. 08;
Es V	3				menter: Fill in shaded are: perator: Fill in other items.
Time	/		ING REPORT		
Operator Name: Ana		OPERATO	Operator P-5 No.: 02	77200	ALCOHOLOGY STATE
	iche Corporation ic Energy Services		Cementer P-5 No.: 0		
A SECTION AND ADDRESS OF THE PARTY OF THE PA	THE REAL PROPERTY.	(Dean)	NEORMATION	CHIES IN COLUMN	Waller Strawers
District No.: 08	Market Market Co. St. Co. St. Co.	Wetter	County: Glasscock	HIPPERSON CONTRACTOR	THE PERSON NAMED IN
Well No.: 2110			API No.: 42 -173	-34 921 Orilling F	ermit No.: 796957
Lease Name: Barba No			Lease No.: 46101		
Field Name:	use (tusselma	n)	Field No.: 4548	A200	
Miles Control	STORY OF THE STORY		EMENTING DATA		NO. OF THE PARTY O
Type of casing:	Conductor X Surf	ace Intermediat	te Liner	Production	
Drilled hole size (in.):	17 1/2"	Depth of drilled hol	e (ft.): 436'	Est. % wash-out or	hole enlargement: 339
Size of casing in O.D. (in	i.): 13 3/8"	Casing weight (lbs/f	t) and grade: 48 H-		
	to ground surface (or bot		Setting depth shoe (ft.	Top of line	er (ft.): Surface
	NO If no for surface ca		7 7	Setting de	pth liner (ft.):
Hrs. waiting on cement	before drill-out: 5 5		ment (ft.):	Cementing date:	11-27-14
	A LINE TO		SLURRY		
Slurry No.	No. of Sacks 436	Class	Additives See Remarks	Volume (cu. ft.) 584	
2	430	С	See Remarks	384	841'
3					
Total	436	C	See Remarks	584	841'
Million of the second	(A) 100 - 20 (A) (A)	II. CASING O	EMENTING DATA		School Service
Type of casing: Sur	face intermediate			ti-stage cement shoe	Multiple parallel stri
Drilled hole size (in.):		Depth of drilled hole	e (ft.):	Est. % wash-out or	hole enlargement:
Size of casing in O.D. (in		Casing weight (lbs/fi	t) and grade:	No. of centralizers	used:
Tapered string drilled ho			Tapered string depth of		
Upper:	Lower:	I wanted states	Upper:	Lowe	
Tapered string size of ca Upper:	sing in O.D. (in.) Lower:	Upper:	weight(lbs/ft) and grade Lower:	Tapered string no. Upper:	of centralizers used Lower:
Was cement circulated t				Setting depth shoe	
Hrs. waiting on cement I		Calculated top of cer		Cementing date:	Proof.
ms. watting on cement i	reture anni-out;		LURRY	cementing date:	Mary and the same from
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1			N CONTRACTOR OF THE PARTY OF TH		Trong-in fresh
2	Control years		The state of the s		- Callering to
3		MISSISTINUTED IN		Larran Francis	
Total	and the state of				AL ELECTRICAL
E STONE OF STREET	RUSHEL IN INC.		EMENTING DATA		2000
Type of casing: Surf	ace Intermediate	Production Taper	red production Multi-	tage cement/DV tool	
Drilled hole size (in.):		Depth of drilled hole	(ft.):	Est. % wash-out or	hole enlargement:
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers	ised:
Tapered string drilled ho			Tapered string depth o		
Upper:	Lower:	Transactistics (***	Upper:	Lower	
Tapered string size of cas Upper:	ing in O.D. (in.) Lower:	Upper:	weight(lbs/ft) and grade Lower:	Tapered string no. o Upper:	of centralizers used Lower:
Was cement circulated to				Setting depth tool (
Hrs. waiting on cement b		Calculated top of cen		Cementing date:	
	COLC OTHE OUT		LURRY	continuity date:	
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1		TEXT NOTICE LET	Wy Balanci S		
2		Carles Landy	TELL HALLES	Land of the land of	
-					
3 Total		E company and a			

			CK OR PLUG A	ND ABANDON	金 計算	The Real Property lies	SECTION STATE
	PLUG #1	PLUG #2	PLUG#3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date		1000				100	
Size of hole or pipe (in.) Depth to bottom of tubing or drill pipe (ft.)	_						
Cement retainer setting depth (ft.)		_			_		
CIBP setting depth (ft.)	_						
Amount of cement on top of CIBP (ft.)							
Sacks of cement used		E/6				United States	and the second
Slurry volume pumped (cu. ft.)		115,400.3			No sector Dill		
Calculated top of plug (ft.)		-					
Measured top of plug, if tagged (ft.)							
Slurry weight (lbs/gal)		Proc.					
Class/type of cement							
Perforate and squeeze (YES/NO)							
umped aid 418 Clan C vill 278 CvCl2 + 25pps Cellethile leaded 2200x to \$5 office EMENTER'S CERTIFICATE: I declare under pe ertification, that the cementing of casing and/- uppervision, and that the cementing data and face trification covers cementing data only.	or the placing of	cement plugs	in this well a	s shown in the	report was p	performed by r	ne or under my
				IM	inte	Men	
Misty Webb, Staff Assistant	Ba	sic Energy Serv		-41	W.M.	vucos)	
Name and title of cementer's representative		Cementing Co	ompany	,	gnature (
P. O. Box 10451	Midland		702	432-687-19		12-3	
Address	City,	State, Zip Co	ode Te	el: Area Code	Number	Date: mo.	day yr.
SHATARA BROWN 3 Veterans Airpark Ln., #1000 idland, Tx 79705		DEILLIN			atara ensture	1/8 Date: mo	115
		State. Zip C	ode Te	l: Area Code	Number	Date: mo	day w.
INSTECTION OF THE PARTY OF THE	d Log), Form W-3 (F	Form W-1 5-1 (Gas Well Bac Plugging Record),	L5, Cemer ck Pressure Test or Form W-4 (/	nting Rep , Completion or I Application for M	Ort Recompletion Re uitiple Completi	on), any time cen	nent is pumped in
ITISET ON NOTICE: The Form W-15 must be submitted as an atta-	chment to a Form G id Log), Form W-3 (F ginal and one copy o centing company ma m W-3, Plugging Rec	Form W-1 5-1 (Gas Well Bac Plugging Record), of the completed ay be reported or cord, unless the F	L5, Cemei ck Pressure Test or Form W-4 (/ Form W-15 for one form. Form W-3 is sign	nting Rep , Completion or I application for M each comenting or ed by the comen	Ort Recompletion Re uitiple Completi company used or	on), any time cen	nent is pumped in
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P-12 (Certificate of Pooling Authority)



RAILROAD COI Oil and Gas Divi PO Box 12967 Austin, Texas 78 www.rrc.state.tx	3711-2967	POOLING	ICATE OF AUTHORITY d 05/2001	P-12
1. Field Name(s)			2. Lease/ID Number (if	
4. Operator Name	RY (TREND AREA)		39874 5. Operator P-5 Number	08 er 6. Well Number
	ORPORATION		027200	1A
 Pooled Unit Nar GIBSON 7 			8. API Number 42-173-34572	9. Purpose of Filing
10. County	01111		11.Total acres in poole	✓ Drilling Permit (W-1)
GLASSCO	CK		160	Completion Report
	DESCRIPTION O	F INDIVIDUAL TRACTS	CONTAINED WITHIN T	HE POOLED UNIT
FRACT/PLAT	TRACT		ACRESIN	TRACT INDICATE UNDIVIDED INTERESTS UNLEASED NON-POOLED
TRACT 1	NW/4- EXCEPT H	WY 158 ROW	153.48	
TRACT 2	STATE OF TX HW	Y 158 ROW	6.52	
				<u> </u>
				пп
foregoing state correct, and co	penalties prescribed pur ments and that the inform mplete to the best of my	nation provided by me or knowledge.	WEISHA STA	
REGULATO	RY TECH Keisha	a.Stark@apachecorp.c	om 11/15/2012 Date	(432) 818-1181 Phone
NSTRUCTIONS 1. When two or Rule 38(d)(3) 2. The certifier identifier and 3. If within an if 4. If the Purpo to all fields r	— Reference: Statewide R r more tracts are pooled to i) the operator must file an o i plat shall designate each d associated information list ndividual tract, a non-pooled se of Filing is to obtain a dri equested on Form W-1.	ules 31, 38 and 40 form a unit to obtain a drilling original Certificate of Pooling tract with an outline and a tred on the Certificate.	ng permit, file completion p Authority and certified plat. act identifier. The tract ide ists, indicate by checking the applicable fields separately	ntifier on the plat shall correspond to the trace the appropriate box. or or enter "All Fields" if the Certificate pertains



P-12 (Certificate of Pooling Authority)



- Required by Statewide Rule 40(a)
- When two or more tracts are pooled to form a unit:
 - to obtain a drilling permit,
 - to file a completion,
 - or reform a pooled unit
- When to File:
 - Drilling Permit
 - Completion
- P-12 information must be accurate and filled out according to the P-12 instructions
- A certified plat that shows all tracts must be attached
 - Tracts on the plat must correspond to tract identifiers and associated information on the P-12

P-12 (Certificate of Pooling Authority)



- Each tract on the P-12 must be listed separately with the following information:
 - The number of acres of each tract
 - Identify drill site tract with a *
 - Must show any non-pooled and/or unleased interest that exists
 - Total acres in the pooled unit must equal the sum of all acres in individual tracts listed
- If the pooled unit contains more tracts than what can be listed on a single form, use as many form P-12's as it takes to list the pooled tracts individually

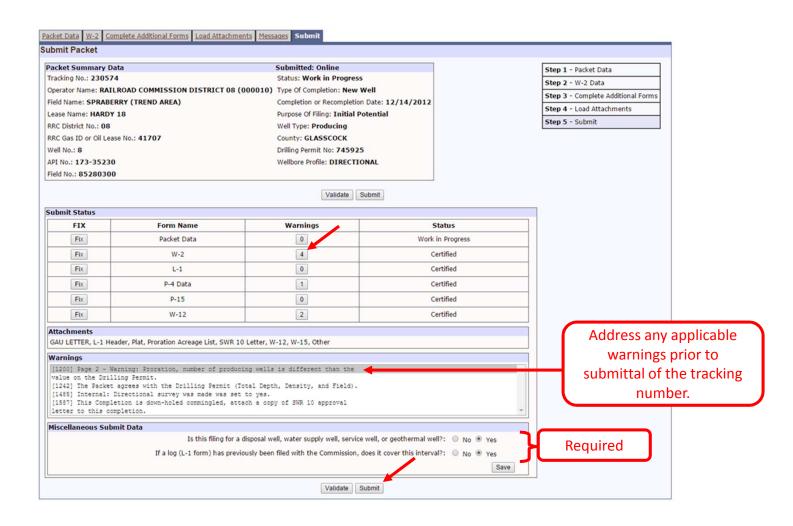
Verify Attachments





Submittal Page





Submit Forms Lacking





Finished



- · (Cmpl_1275) The Packet has been submitted successfully.
- . (Cmpl_1340) Upon review of your filing by RRC Staff, additional forms/attachments/information may be required.



Message Review



Well Completions

Filing Operator: APACHE CORPORATION (027200)

Filing Completion Package

File a New Completion Packet

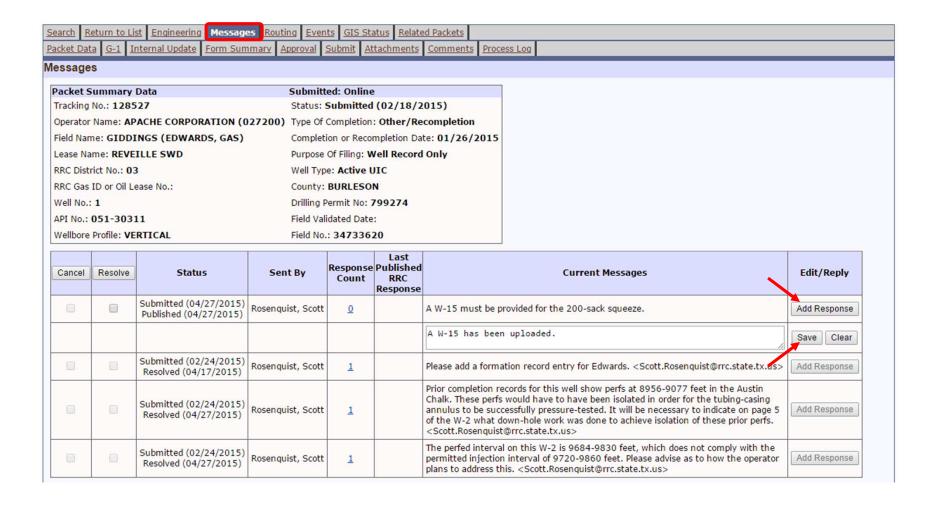
Update Existing Completion Packet

Select Filing Operator

1 - 10 of 105	results	[<<	First][<previous] [next="">]</previous]>	Last>> Page	e: 1 2 3 4 5 6 7 8 9 10 of 11 Page Size: 10	•
racking No. 🗈	User	Operator	<u>Status</u>	Sent By	Current Messages	Response Count
130362	Starr, Sherene	APACHE CORPORATION	Published (03/13/2015)	Hitchcock, Ivy	Attachments tab has been opened at the Operator's request.	0
129394	Starr, Sherene	APACHE CORPORATION	Published (03/12/2015)	Hitchcock, Ivy	Attachments tab has been opened, per an Operator request.	0
<u>129156</u>	Hopkins, Madeleine	APACHE CORPORATION	Published (02/27/2015)	Cassidy, Karen	Please correct the answer to the second question under shot point information on your online W-12 to "yes" as your attached W-12 shows that all shot points were taken at intervals of 1000' or less. **Please respond to this message via the "add response" button AND also email us to expedite review and resolution of the message. (karen.cassidy@rrc.state.tx.us)** [message date: 02/27/2015]	1
128527	Moughon, Debbie	APACHE CORPORATION	Published (02/24/2015)	Rosenquist, Scott	Please add a formation record entry for Edwards. <scott.rosenquist@rrc.state.tx.us></scott.rosenquist@rrc.state.tx.us>	0
128527	Moughon, Debbie	APACHE CORPORATION	Published (02/24/2015)	Rosenquist, Scott	The perfed interval on this W-2 is 9684-9830 feet, which does not comply with the permitted injection interval of 9720-9860 feet. Please advise as to how the operator plans to address this. <scott.rosenquist@rrc.state.tx.us></scott.rosenquist@rrc.state.tx.us>	0
128527	Moughon, Debbie	APACHE CORPORATION	Published (02/24/2015)	Rosenquist, Scott	Prior completion records for this well show perfs at 8956-9077 feet in the Austin Chalk. These perfs would have to have been isolated in order for the tubing-casing annulus to be successfully pressure-tested. It will be necessary to indicate on page 5 of the W-2 what down-hole work was done to achieve isolation of these prior perfs. <scott.rosenquist@rrc.state.tx.us></scott.rosenquist@rrc.state.tx.us>	0
128115	Smith, Christine	APACHE CORPORATION	Published (03/11/2015)	Lewis, Kayleigh	A Rule 13 exception must be obtained for this well. The surface csg was drilled 316' over the GAU depth- only allowed to drill up to 200' deeper than the GAU depth. In the future, submit this request prior to drilling as required by Rule 13. Please submit to jeffery.morgan@rrc.state.tx.us, thank you.	0
128006	Smith, Christine	APACHE CORPORATION	Published (02/20/2015)	Haynes, Danielle	please be advised that an acreage list will also be required along with the P-15 and lease plat	0

Respond to the Message





SWR-40(d) (Assignment of Acreage)



Acreage assigned to a well for drilling and development, or for allocation of allowable, shall not be assigned to any other well or wells projected to or completed in the same reservoir; such duplicate assignment of acreage is not acceptable.

Field Shopping



Problem:

- Completing an oil well Same Lease Different Field (but in the same formation as existing wells in the lease)
 - I.E. Complete wells #1-4 in Spraberry (Trend Area) and well #'s 5 & 6 in Sallie Ann (Spraberry Wolfcamp)
 - Or wells #1-4 have SWR-10 exception for Spraberry (Trend Area), and Garden City, S. (Strawn) but wells # 5 & 6 have SWR-10 exception for Spraberry (Trend Area) and Dewey Lake (Strawn)

Solution:

- Wells completed in the same lease and same formation must consistently use the same fields (primary reporting fields and secondary SWR-10 fields)
- Operators will be required to re-file:
 - Drilling Permit
 - SWR-37
 - SWR-38
 - SWR-10

P-8 (Req. for Clearance of Tanks Prior to Test)



- Statewide Rule 80
- Request for Clearance of Storage Tanks
- Filed before the well is assigned an RRC ID or Lease number
- P-8's can be filed on-line
- District office processes all P-8
- P-8's are cross referenced with the Online System to verify that completions are submitted and are free of outstanding violations and/or un-resolved messages
- Copy of Form P-4 must be attached



- 1. Failing to respond to messages online from the RRC, even if you have already corrected the problem
- 2. Not filing all required forms with the completion packet
- 3. Over-assigning acreage
- 4. Log headers do not have all the required information
- 5. Not amending Drilling permit ASAP and follow up for approval
- 6. Make sure all questions are answered correctly and completely.
- 7. Adding a second P-4 or attaching a gatherer change P-4
- 8. P-4 gatherers/purchasers names are incorrect or P-5's are not active.
- 9. Electronic forms are not completed, certified, and submitted



- 10. Attachments not properly labeled
- 11. Make sure that the following are correct:
 - Type of Completion
 - Purpose of Filing
 - Well Type
- 12. Drilling permit not approved or submitted prior to drilling the well
- 13. Failing to file PVT/Compositional Analysis when G-5 does not meet the requirements
- 14. Lease lines should match drilling permit, if not leave remarks as to why they changed and attach a corrected location plat



- 16. Use remarks to explain any changes, amendments or anything additional you want the analyst to know
- 17. Attachments do not display properly
- 18. W-12 not filled out correctly or is incomplete
- No change in completed, commenced, and completion dates when the well is worked over or recompleted
- 20. Not addressing SWR-10 info in remarks (i.e. perfs, formations)
- 21. If a well is worked over or recompleted, showing how the prior perfs were isolated.
- 22. Hard copy filings that are filed with incomplete or missing information



- 23. Erroneous zeroes are added in the spaces that require data
- 24. Shut- In/Time of Run for G-1's (1 Point Test) should be 1440 minutes (24 hours)
- 25. Well is completed in formations that are outside the designated correlative interval for the field and a SWR-10 has not been filed
- 26. Formation record should show the formation names that define each completed field
- 27. Required acreage forms not filed i.e. Proration Plats, P-15's/Acreage Lists/Lease Plats
- 28. Failure to check field rules before filing
- 29. Not utilizing the RRC Website to retrieve well information

Contact Us



For immediate assistance please call the Well Compliance (Proration) main phone number.

512-463-6975

512-463-6955

www.rrc.texas.gov

P.O. Box 12967, Austin, Texas 78711-2967